Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	04/06/2022 09:42 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	01/20/2022 09:34 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	32272	Expiration Date:	09/30/2022
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124808	-1	1.24	124743	1.22
Blue	F	SSC	125000	123920	-1	2.31	124466	2.15
Blue	E	FITC	13602	13159	-4	2.33	369	13.32
Blue	D	PE	24891	24342	-3	1.80	579	10.35
Blue	B	PerCP-Cy5-5	33972	33286	-3	2.99	951	15.30
Blue	A	PE-Cy7	22865	22427	-2	5.06	464	31.31
Red	C	APC	47198	46499	-2	2.93	1604	11.61
Red	A	APC-Cy7	26454	25377	-5	3.24	721	12.54
Violet	B	V450	6737	6393	-6	3.65	445	11.58
Violet	A	V500	29317	28131	-5	3.19	959	8.51

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	23959	2.27	560	25	N/A	N/A	Pass
Blue	F	SSC	55723	2.00	519	-2	N/A	N/A	Pass
Blue	E	FITC	54	54.62	487	3	0.0448	113	Pass
Blue	D	PE	114	37.53	490	4	0.4068	282	Pass
Blue	B	PerCP-Cy5-5	151	42.36	584	5	0.0187	78	Pass
Blue	A	PE-Cy7	77	82.37	627	6	0.0214	5	Pass
Red	C	APC	335	25.88	575	3	0.0276	161	Pass
Red	A	APC-Cy7	134	35.04	552	1	0.0060	1191	Pass
Violet	B	V450	77	46.33	455	5	0.0533	2100	Pass
Violet	A	V500	113	31.41	475	6	0.0241	831	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.64 - 71.46	N/A	N/A	-31.58	-31.27	0.97
Blue	20.34	16.28 - 24.42	1.29	1.03 - 1.55	0.00	0.00	1.44
Red	14.83	13.90 - 20.86	N/A	N/A	29.61	29.94	1.22

Window Extension: 7.00
FSC Area Scaling Factor: 0.78

Threshold

Threshold (FSC): 15088

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments